



Reflect. Observe. Imagine.

Cyber at LAS

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Elizabeth (Beth) Richards Senior Lead for Cyber, LAS





Laboratory for Analytic Sciences

The Laboratory for Analytic Sciences (LAS) is a government, academic and industry collaboration charged with imagining, investigating and implementing innovative solutions for a variety of tactical and strategic analytic challenges of critical importance to the U.S. Intelligence Community.





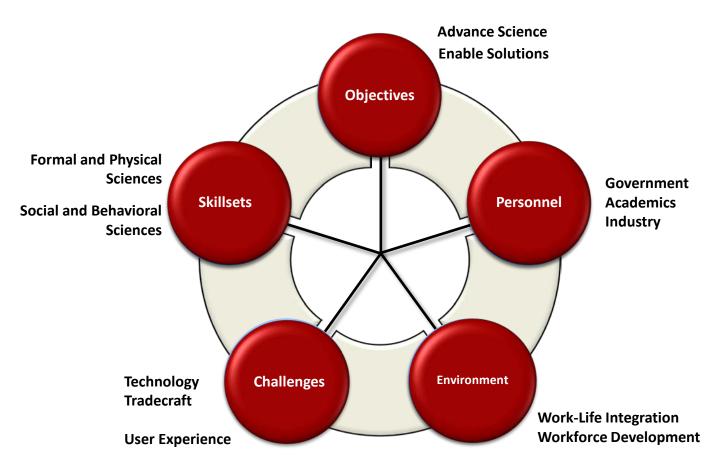
Reflect. Observe. Imagine.

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Diversity Drives Innovation

Laboratory for Analytic Sciences

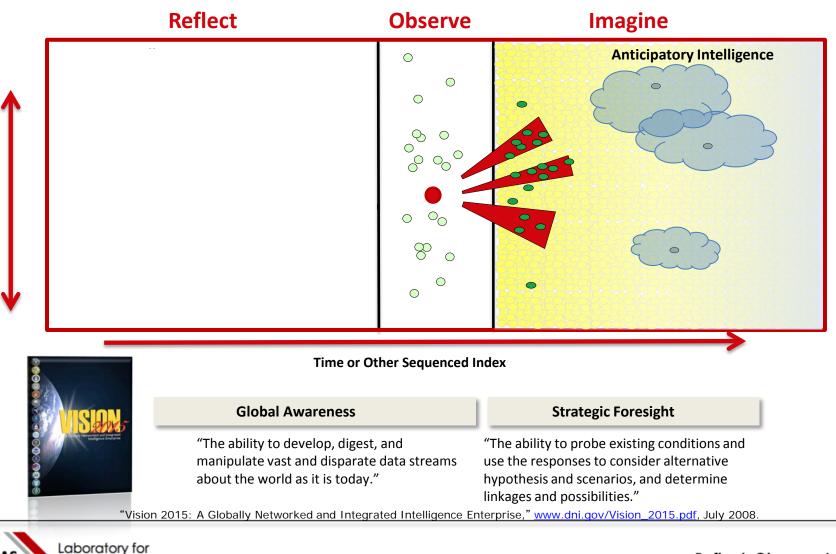




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A Framework for Analysis



Analytic Sciences



Cyber Strategy

> Mission:

 Counter/Prevent Foreign Malicious Cyber Activities & Threats to National Security

> Outcomes:

- Prevent Strategic Foreign Cyber Harm
- Prevent Strategic Foreign Cyber Surprise
- Implementation in Unclassified & Classified Domains
 - Leverage Commercial Partnerships & Knowledge
 - Leverage the Power of the Intelligence Community





Challenges

Move From Reaction to Anticipation

- Develop New Tradecraft
- Use Non-Traditional Data Sources
- #imagine
- **Get Ahead of the Foreign Adversary**
 - Gain knowledge of the Adversaries' Planning Cycle
- Mission Runs at Speed & Scale
 - Real-Time Nature of the Threat Requires Real-Time Analysis





It's About Questions

> Today... #observe #reflect

- "Who did it?"
- "How did they do it?"
- "When did you know?"
- > Tomorrow... #imagine
 - "What will it be?"
 - "Who will do it?"
 - "How will they do it?"
 - "When will you know?"
 - "When will you be confident?"





What to do...

- Put Current Observables (#Observe) into Context of Historical (#Reflect) Information, then Anticipate Future States (#Imagine)
- Utilize "novel" data sources to inform and provide Context





An Exemplar For LAS

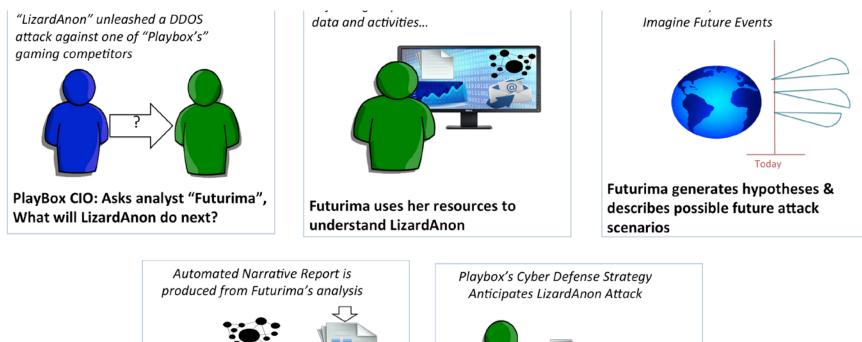
> Scenario

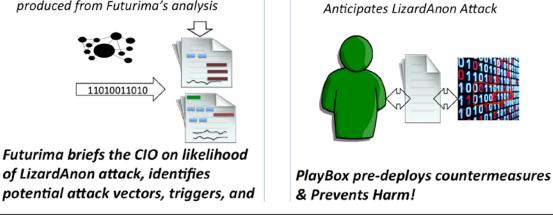
- Hacktivist Group & Company "At Odds"
- > Question
 - If/When Will Company be Attacked?
 - What is Known Doctrine, Organization, Capabilities
 - Motivation? What Could be Trigger
 - Create Cones in #Imagine Space
 - Pre-position Countermeasures
- Storyboard & Timeline
 - Cohesive Problem Description





Structured Workplace for Structured Tradecraft







LAS Update



QUESTIONS?

